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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/560,696

06/26/2006

Hyun Gu Heo

05-472-B

2036

20306

7590

09/18/2008

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EXAMINER

HERRERA, DIEGO D

ART UNIT

PAPER NUMBER

2617

MAIL DATE

DELIVERY MODE

09/18/2008

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/560,696	<b>Applicant(s)</b> HEO, HYUN GU	
	<b>Examiner</b> DIEGO HERRERA	<b>Art Unit</b> 2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 14 December 2005.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-3 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-3 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 14 December 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)          | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

## **DETAILED ACTION**

### ***Priority***

Should applicant desire to obtain the benefit of foreign priority under 35 U.S.C. 119(a)-(d) prior to declaration of an interference, a certified English translation of the foreign application must be submitted in reply to this action. 37 CFR 41.154(b) and 41.202(e).

Failure to provide a certified translation may result in no benefit being accorded for the non-English application.

### ***Specification***

The abstract of the disclosure does not commence on a separate sheet in accordance with 37 CFR 1.52(b)(4). A new abstract of the disclosure is required and must be presented on a separate sheet, apart from any other text.

### ***Claim Objections***

Claims 1 and 2 are objected to because of the following informalities: Please, change the "if" statements to "when", to positively recite the limitations that follow. Appropriate correction is required.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

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Claims 1-3 are rejected under 35 U.S.C. 102(b) as being anticipated by Chaudry et al. (US 6577616 B1).

**Regarding claim 1**, Chaudry et al. discloses a method for allocating multiple access channels at a time of call setup in a mobile communication system including a number of mobile stations and a base station having a modem and a channel card (col. 9 lines: 6-17, Chaudry et al. teaches call setup and mobile communication system with multiple mobile stations and a base station), said method comprising the steps of:

informing a mobile station that the modem of the base station is using one access channel by an access parameter message, which is a paging channel message (col. 9 lines: 5-17, Chaudry et al. teaches mobile accessing access channel from base station by access parameter message);

dividing a coverage area of the base station into a number of sub-areas (col. 8 lines: 22-27, table, abstract, Chaudry et al. teaches predetermined areas for selectable connectivity);

allocating a number of access channels such that each of the access channels covers its corresponding sub-area (col. 5 lines: 20-21, col. 8 lines: 22-27, Chaudry et al. teaches long code mask one or more for the mobile station to access the system);

monitoring the access channels to determine whether an access probe transmitted from the mobile station has been acquired (col. 6 lines: 30-35, Chaudry et al. teaches whether or not access acquisition was received by mobile station); and

if the access probe has been acquired, outputting the acquired access probe to the channel card and releasing the remaining access channels (col. 9 lines: 6-17, 45-58,

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Chaudry et al. teaches access channel method for establishing access from mobile device to base station).

**Consider claim 2**, the method in accordance with claim 1, Chaudry et al. discloses wherein if an access probe transmitted from the mobile station has not been acquired in said determining step, the method further comprises the step of re-allocating a number of access channels (col. 9 lines: 6-17, 45-58, Chaudry et al. teaches access channel method for establishing access from mobile device to base station that has sectorized sections of its coverage area),

each of which covers its corresponding sub-area and undergoes said determining step again (col. 8 lines: 46-51, Chaudry et al. teaches locating mobile device and re-sync and re-acquiring traffic channel acquisition).

**Consider claim 3**, the method in accordance with claim 1, Chaudry et al. discloses wherein said locating step sets each of the access channels to have a long code mask by using the same paging channel ID and the same access channel ID (col. 5 lines: 20-21, col. 8 lines: 22-27, Chaudry et al. teaches long code mask one or more for the mobile station to access the system), and sets Search Start Offset parameter and Search Window Size parameter to each of the sub-areas so that each access channel searches a different sub-area (table, col. 6 lines: 18-20, col. 9 lines: 6-17, Chaudry et al. teaches access channels).

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DIEGO HERRERA whose telephone number is (571)272-0907. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lester Kincaid can be reached on (571) 272-7922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Diego Herrera/  
Examiner, Art Unit 2617

/Lester Kincaid/  
Supervisory Patent Examiner, Art Unit 2617